amount of work and is relatively expensive. Further, the final chip is not necessarily identical to the tested chip.

Please amend the second and ~~third~~ fourth paragraphs on page 2 as shown below:

Thus, standard IEEE-ISTO-5001, in preparation, provides in its 1999 version, accessible, for example, on website www.ieee-isto.org/Nexus5001, a specific message exchange protocol between a monitoring circuit and an analysis tool for a monitoring circuit 18 requiring but a reduced number of test terminals 22.

Among the messages provided by monitoring circuit 18 according to standard IEEE-ISTO-5001, program tracing messages and data messages are distinguished. Program tracing messages provide information relative to the order of execution of the program by microprocessor 12. It may, for example, be a message indicating that a jump has occurred in the program executed by microprocessor 12. Data messages correspond to the other messages provided by monitoring circuit 18 and especially provide information relative the data processed by the microprocessor. It may be a message representative of a data read or write operation in an area of memory 14.

Please amend the paragraph beginning on page 2, line 30 through page 3, line 25 as shown below:

When monitoring circuit 18 transmits to analysis tool 24 the program tracing and data messages altogether, analysis tool 24 generally can assign to each received message a specific instruction of the program by means of adapted algorithms. However, to avoid for the data transmission frequency of monitoring circuit 18 to exceed the passband imposed by the technologies used to form the intermediary elements between monitoring circuit 18 and test terminals 22, that is, to avoid saturation of monitoring circuit 18, only some of the messages provided by standard IEEE-ISTO-5001 are generally transmitted on a same program portion. For example, only the read operations concerning a specific area of memory 14 may be subject to the message transmission to analysis tool 24. In such an example, when analysis tool 24 successively receives several data messages between two program tracing messages, it may be difficult to have a specific program instruction correspond to each received data message if, between the